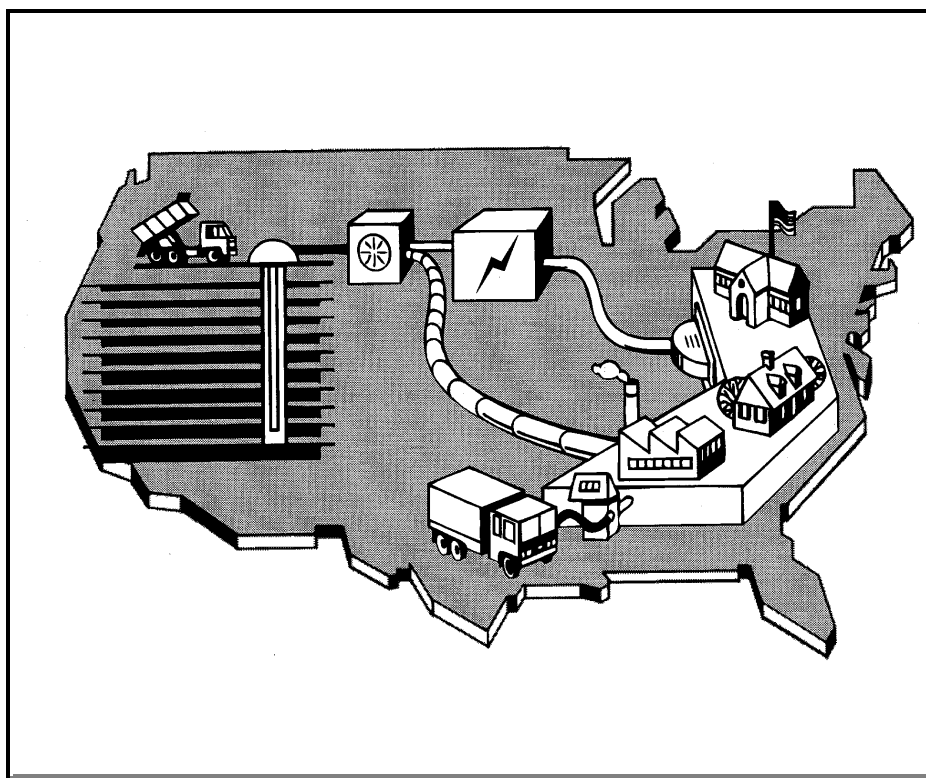




Landfill Gas-to-Energy Project Opportunities

Landfill Profiles for the State of New Jersey



EPA Landfill Methane Outreach Program



The EPA Landfill Methane Outreach Program, a key component of the United State's *Climate Change Action Plan*, encourages the use of landfill gas (LFG) as an energy resource. EPA assists utilities, municipal and private landfill owners and operators, tribes, and state agencies in reducing methane emissions from landfills through the development of profitable landfill energy recovery projects. Methane captured from landfills can be transformed into a cost-effective fuel source for electricity, heat, boiler and vehicular fuel, or sale to a pipeline. EPA estimates there are approximately 200 landfill methane recovery projects in the U.S. and that up to 750 landfills could install economically viable landfill energy projects.

The Landfill Methane Outreach Program includes five important components: the State Ally, Energy Ally, Industry Ally, Community Partner, and Endorser programs. EPA establishes separate alliances with state agencies, energy providers (including investor-owned, municipal and other public power utilities and cooperatives), key trade and public sector associations, members of the landfill gas development industry (including developers, engineers, equipment vendors, and others) and local communities, municipalities and landfill owner/operators through a Memorandum of Understanding (MOU). By signing the MOU, each Ally/Partner acknowledges a shared commitment to the promotion of landfill gas-to-energy recovery at solid waste landfills, recognizes that the widespread use of landfill gas will reduce emissions of methane and other gases, and commits to undertake activities to enhance development of this resource. In return, EPA agrees to provide landfill gas-to-energy project assistance and public recognition of the Allies' and Partners' participation in the program.

Introduction

Since 1994 the U.S. EPA's Landfill Methane Outreach Program (LMOP) has participated in an ongoing effort to gather information on Municipal Solid Waste landfills (MSW). A key component of the LMOP is to provide MSW landfill owners and operators, project developers, utilities, and other potential project participants with information on MSW landfills that may offer attractive energy development opportunities. This document presents state specific landfill information, hereinafter referred to as the landfill profiles. These profiles are useful to evaluate the potential for developing landfill gas-to-energy projects (LFGTE). EPA assembled this information from state and local sources as well as various national solid waste publications, landfill owners and operators, and project developers.

The EPA has prepared a separate document to describe the methodology used to develop the state-specific landfill profiles and estimate the benefits of using LFGTE as an energy source. The document, *Landfill Gas-to-Energy Project Opportunities, Background Information on Landfill Profiles*, contains background information on gas collection and use, describes the data fields according to the five sections listed on the landfill profiles, and where applicable, illustrates calculations and default values used to derive estimates. EPA strongly recommends that users read the document prior to using the landfill profiles. Users can obtain the document by calling the LMOP hotline at 1-888-STAR-YES.

Data Sources

- EPA-ORD Landfill Gas Utilization-Survey (Thorneloe, 1997)
- Directory and Atlas of Solid Waste Disposal Facilities (SWA, 1994)
- Implementation Guide for Landfill Gas Recovery Projects in the Northeast (SCS, 1994)
- Landfill Gas-to-Energy 1994-1995 Activity Report (SWT, 1994)
- Methane Recovery from Landfill Yearbook (GAA, 1994)
- Project developers, landfill owners, and operators
- State and local records
- Survey of Landfill Gas Generation Potential (EPRI, 1992)
- U.S. Landfill Directory (SWANA, 1992)

Landfill Classification

To facilitate the use of available landfill information, EPA has categorized the landfills into five categories: Current Project,¹ Candidate Project, Shutdown, Other, and Unknown waste-in-place (WIP). These categories are based on the status of the landfill's LFGTE project(s) and WIP. The generation of methane is a function of many factors, the most critical being the amount of waste-in-place and the number of years the waste has been in the landfill. Peak methane generation occurs soon after closure; therefore, the longer the landfill has been closed, the less attractive it becomes for methane recovery. Based on the general timing of peak methane generation, EPA assumes that landfills that ceased accepting waste prior to 1993 have a low probability of generating enough methane to make a gas recovery project economical. Consequently, landfills need to be operating in 1993 to be considered as having a Candidate Project.

Landfill Categorizes

Current Project:

- Landfill with operational LFGTE project or landfill with LFGTE project under construction.

Candidate Project:

- Landfill with a potential or planned LFGTE utilization project; or
- Landfill is currently operating or closed after 1993; and has more than 1,000,000 tons of municipal solid waste-in-place.²

Shutdown:

- Landfill with shutdown LFGTE project.

Other:

- Landfill has less than 1,000,000 tons of municipal solid waste-in-place with no current or planned LFGTE project.

Unknown WIP:

- Landfill with insufficient data to determine the waste-in-place.

State Summary

State-specific landfill profile information is summarized in three exhibits. Exhibit 1 presents a summary of the state-specific potential for LFG utilization energy by landfill category. Exhibit 2 summarizes the emissions avoided by fossil fuel displacement for electricity generation and direct use projects. Exhibit 3 presents an index of the state-specific MSW landfills, referenced by category, landfill name and general characteristics.

¹ Current projects illustrate the wide range of successful project development options.

² By modeling the relationship between WIP and methane generation, a cut-off of 1,000,000 tons of WIP was established; landfills having at least 1,000,000 tons of WIP are considered candidate landfills.



Exhibit 1: New Jersey MSW Landfill Summary

Category	No. of Landfills	Est. Capacity Potential		Est. CH4 Generation (mmscf/d)	Methane Reduction (tons/yr)		CO2 Equivalent of CH4 Reduction (tons/yr)	
		Electricity (MW)	Gas Capacity (mmBtu/hr)		Potential	Current	Potential	Current
Current	14	135	1,346	43	248,932	99,829	5,227,576	2,096,407
Candidate	5	12	118	4	21,752	0	456,800	0
Other	6	10	104	3	19,172	0	402,604	0
Unknown WIP	2							
Total	27	157	1,567	50	289,856	99,829	6,086,980	2,096,407

Exhibit 2: Potential New Jersey Emissions Avoided by Fossil Fuel Displacement

Category	Electricity Generation Project						Direct Use Project					
	CO2 (tons/yr)			SO2 (tons/yr)			CO2 (tons/yr)			SO2 (tons/yr)		
	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas
Current	1,062,366	871,942	586,305	6,715	5,613	0	749,625	615,258	413,708	6,821	3,585	4
Candidate	92,345	75,793	50,964	584	488	0	65,504	53,763	36,151	596	313	0
Other	82,085	67,371	45,302	519	434	0	57,733	47,384	31,862	525	276	0
Unknown WIP												
Total	1,236,796	1,015,106	682,571	7,818	6,534	0	872,862	716,406	481,721	7,942	4,175	4

Exhibit 3: Index of Landfills in New Jersey

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Current	Balefill	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Cape May County SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Dover Township LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Edgeboro Disposal MCUA II	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Hamm's LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	HMDC 1-A LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	HMDC 1-C LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	ILR LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Kearny 1-D LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Kingsland LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Kinsley LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	L & D LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Monmouth County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Ocean County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Candidate	Burlington County SLF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Cumberland County SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Gloucester County SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Sussex County LF 1-E	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Towanda Electric Facility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Other	Edison Township SLF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Galloway Township LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Linden City SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Pennsauken LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Pineland Park LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Salem County SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Parklands Reclamation Project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Warren County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

Balefill		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Hackensack Meadowlands Development Com	Annual Acceptance Rate (tons):	404,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	Egan's LF	Design Capacity (tons):	15,000,000
City:	North Arlington	Acres Currently Landfilled (acres):	195
County:	Bergen	Average Depth (feet):	90
State:	NJ	1993 Waste-in-Place (tons):	28,206,601
Year Open:	1950	1998 Waste-in-Place (tons):	30,226,601
Year Closed:	2002		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		5.25	
LFG Collection System Status:		Operational	
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Medium Btu		
Utilization System Start Year:	1997		
Electric Utility Provider(s):	Public Service Electric & Gas Company (PS		
Natural Gas Provider(s):			
Energy Purchaser(s):	Public Service Electric & Gas Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	16		164
Current Capacity:			
Planned Capacity:			
Utilities in County: Park Ridge Dept of Public Utilities; Public Service Electric & Gas Co.; Rockland Electric Company			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	30,353		0
CO2 Equivalent of CH4 Reduction (tons/yr):	637,421		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	129,441	818	91,405 832
Fuel Oil:	106,240	684	75,021 437
Natural Gas:	71,437	0	50,445 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Christopher Dour, P.E.	Terry Fuhrer	
Mailing Address:	1 Dekorte Park Plaza	HMDC Baler 100 Baler Boulevard	
Phone Number:	201-460-1700	201-460-1700	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Burlington County SLF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Burlington County Board of Chosen Freehold	Annual Acceptance Rate (tons):	366,473
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	3,100,000
City:	Mansfield	Acres Currently Landfilled (acres):	40
County:	Burlington	Average Depth (feet):	42
State:	NJ	1998 Waste-in-Place (tons):	3,500,000
Year Open:	1987	1998 Waste-in-Place (tons):	3,500,000
Year Closed:	1998		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		1.31	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Cogeneration		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		41
Current Capacity:			
Planned Capacity:	1.6		
Utilities in County: Atlantic City Electric Company; Jersey Central Power & Light Co.; Pemberton Electric Dept; Public S			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	7,592		0
CO2 Equivalent of CH4 Reduction (tons/yr):	159,440		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	32,360	205	22,864 208
Fuel Oil:	26,560	171	18,765 109
Natural Gas:	17,859	0	12,618 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Robert Simpkins		
Mailing Address:	21939 Columbus Road P.O. Box 429	49 Rancocas Road	
Phone Number:	609-499-1001	609-265-5020	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Cape May County SLF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Cape May County	Annual Acceptance Rate (tons):	117,518
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	
City:	Woodbine	Acres Currently Landfilled (acres):	52
County:	Cape May	Average Depth (feet):	
State:	NJ	Waste-in-Place (tons):	1,790,672
Year Open:	1983	1998 Waste-in-Place (tons):	1,790,671
Year Closed:	1996		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	0.88		
LFG Collection System Status:			
Current LFG Collected (mmscf/d):	1.1		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Medium Btu		
Utilization System Start Year:	1998		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Woodbine School		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		27
Current Capacity:			23
Planned Capacity:			
Utilities in County:	Atlantic City Electric Company; Jersey Central Power & Light Co.		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	5,065		4,240
CO2 Equivalent of CH4 Reduction (tons/yr):	106,359		89,036
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	21,311	135	15,252 139
Fuel Oil:	17,491	113	12,518 73
Natural Gas:	11,761	0	8,417 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Frederick Galdo, Clerk/Administrator		
Mailing Address:	21939 Columbus Road PO Box 429	PO Box 610	
Phone Number:	609-265-5020	609-465-9026	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NJ

Page:

3



Cumberland County SLF			Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:	Cumberland County	Annual Acceptance Rate (tons):	137,648	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993	
Alternative Landfill Name:		Design Capacity (tons):	4,413,317	
City:	Deerfield	Acres Currently Landfilled (acres):	36	
County:	Cumberland	Average Depth (feet):		
State:	NJ	Waste-in-Place (tons):	1,651,776	
Year Open:	1985	1998 Waste-in-Place (tons):	1,927,072	
Year Closed:	2019			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):		0.91		
LFG Collection System Status:				
Current LFG Collected (mmscf/d):				
Collection and Treatment System Required Under NSPS/EG:		No		
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Unknown			
Utilization System Type:	Unknown			
Utilization System Start Year:				
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):				
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	3		29	
Current Capacity:				
Planned Capacity:				
Utilities in County: Atlantic City Electric Company; Jersey Central Power & Light Co.; Vineland Elec Util				
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	5,266		0	
CO2 Equivalent of CH4 Reduction (tons/yr):	110,594		0	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	22,100	140	15,859	144
Fuel Oil:	18,139	117	13,016	76
Natural Gas:	12,197	0	8,752	0
E. CONTACT INFORMATION				
Landfill Owner		Landfill Operator		
Contact Name:	Dennis DeMatte, Controller	Dennis DeMatte		
Mailing Address:	2 West Vine Street	2 West Vine Street		
Phone Number:	609-825-3700	609-825-3700		
Fax Number:				

Dover Township LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Dover Township	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:		Acres Currently Landfilled (acres):	94
County:		Average Depth (feet):	
State:	NJ	Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:			
B. LANDFILL GAS COLLECTION			
<i>Estimated Methane Generation (mmscf/d):</i>			
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Unknown		
Utilization System Start Year:	1983		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>			
Current Capacity:			
Planned Capacity:			
Utilities in County:			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		Current
<i>Methane Reduction (tons/yr):</i>			
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>			
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i> <i>SO2 (tons/yr)</i>
<i>Coal:</i>			
<i>Fuel Oil:</i>			
<i>Natural Gas:</i>			
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:			
Fax Number:			

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NJ

Page:

5



Edgeboro Disposal MCUA II			Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION				
Landfill Owner:		Annual Acceptance Rate (tons):	773,203	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1992	
Alternative Landfill Name:	Edgeboro LF	Design Capacity (tons):		
City:	East Brunswick	Acres Currently Landfilled (acres):	315	
County:	Middlesex	Average Depth (feet):	90	
State:	NJ	Waste-in-Place (tons):	45,437,841	
Year Open:	1970	1998 Waste-in-Place (tons):	48,803,607	
Year Closed:	2012			
B. LANDFILL GAS COLLECTION				
Estimated Methane Generation (mmscf/d):	12.90			
LFG Collection System Status:	Planned			
Current LFG Collected (mmscf/d):	7.0			
Collection and Treatment System Required Under NSPS/EG:	No			
C. LANDFILL GAS UTILIZATION				
Current Utilization:				
Utilization System Status:	Operational			
Utilization System Type:	Steam Turbine			
Utilization System Start Year:	1998			
Electric Utility Provider(s):				
Natural Gas Provider(s):				
Energy Purchaser(s):	Public Service Electric & Gas Co.			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)	
Estimated Potential Capacity:	40		403	
Current Capacity:	10.0		146	
Planned Capacity:				
Utilities in County:	Jersey Central Power & Light Co.; Public Service Electric & Gas Co.; South River Bd Public Wks			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION				
	<i>Potential</i>		<i>Current</i>	
Methane Reduction (tons/yr):	74,587		26,981	
CO2 Equivalent of CH4 Reduction (tons/yr):	1,566,327		566,597	
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	318,078	2,011	224,609	2,044
Fuel Oil:	261,064	1,680	184,349	1,074
Natural Gas:	175,543	0	123,959	1
E. CONTACT INFORMATION				
	Landfill Owner		Landfill Operator	
Contact Name:	Margaret Brennan, Treasurer/Controller			
Mailing Address:	PO Box B-1		PO Box 1	
Phone Number:	908-721-3800		908-721-3800	
Fax Number:				

* *Italicized indicates values estimated by EPA.*



Gloucester County SLF		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Gloucester County	Annual Acceptance Rate (tons):	89,881
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1992
Alternative Landfill Name:		Design Capacity (tons):	
City:	Woodbury	Acres Currently Landfilled (acres):	20
County:	Gloucester	Average Depth (feet):	
State:	NJ	Waste-in-Place (tons):	1,489,025
Year Open:	1985	1998 Waste-in-Place (tons):	1,737,197
Year Closed:	2010		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.86	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		27
Current Capacity:			
Planned Capacity:			
Utilities in County: Atlantic City Electric Company; Jersey Central Power & Light Co.; Public Service Electric & Gas Co			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	4,986		0
CO2 Equivalent of CH4 Reduction (tons/yr):	104,698		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	21,311	135	15,013 137
Fuel Oil:	17,491	113	12,322 72
Natural Gas:	11,761	0	8,286 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Gary Whalen	Gary Whalen	
Mailing Address:	P.O. Box 340	P.O. Box 340	
Phone Number:	609-423-3500	609-423-3500	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



HMDC 1-A LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	HMDC	Annual Acceptance Rate (tons):	1,350,000
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1983
Alternative Landfill Name:	MSLA 1-A LF	Design Capacity (tons):	4,000,000
City:	Kearny	Acres Currently Landfilled (acres):	45
County:	Hudson	Average Depth (feet):	70
State:	NJ	1990 Waste-in-Place (tons):	5,998,800
Year Open:	1950	1998 Waste-in-Place (tons):	5,998,800
Year Closed:	1984		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.14		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	0.6		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	High Btu		
Utilization System Start Year:	1989		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Public Service Electric & Gas Co.		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		36
Current Capacity:			13
Planned Capacity:			
Utilities in County:	Atlantic City Electric Company; Public Service Electric & Gas Co.		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	6,591		2,313
CO2 Equivalent of CH4 Reduction (tons/yr):	138,415		48,565
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	28,414	180	19,849 181
Fuel Oil:	23,321	150	16,291 95
Natural Gas:	15,681	0	10,954 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Christopher Dour, P.E.		
Mailing Address:	1 Dekorte Park Plaza		
Phone Number:	201-460-1700	201-460-4678	
Fax Number:			

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NJ

Page:

8



HMDC 1-C LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	HMDC	Annual Acceptance Rate (tons):	1,350,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1987
Alternative Landfill Name:	HMDC 1-E LF; MSLA 1-C LF	Design Capacity (tons):	15,000,000
City:	Kearny	Acres Currently Landfilled (acres):	212
County:	Hudson	Average Depth (feet):	90
State:	NJ	1990 Waste-in-Place (tons):	26,994,601
Year Open:	1950	1998 Waste-in-Place (tons):	26,994,601
Year Closed:	1987		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	3.96		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	4.4		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	High Btu		
Utilization System Start Year:	1989		
Electric Utility Provider(s):			
Natural Gas Provider(s):	Public Service Electric & Gas Co.		
Energy Purchaser(s):	Public Service Electric & Gas Co.		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	12		124
Current Capacity:			92
Planned Capacity:			
Utilities in County:	Atlantic City Electric Company; Public Service Electric & Gas Co.		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	22,916		16,959
CO2 Equivalent of CH4 Reduction (tons/yr):	481,232		356,147
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	97,870	619	69,008 628
Fuel Oil:	80,327	517	56,638 330
Natural Gas:	54,013	0	38,085 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Christopher Dour, P.E.		
Mailing Address:	1 Dekorte Park Plaza		
Phone Number:	201-460-1700	201-460-1700	
Fax Number:			

Hamm's LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Lafayette	Acres Currently Landfilled (acres):	60
County:	Sussex	Average Depth (feet):	43
State:	NJ	1994 Waste-in-Place (tons):	1,700,000
Year Open:	1977	1998 Waste-in-Place (tons):	1,700,000
Year Closed:	1985		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	0.85		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	0.7		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1990		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Jersey Central Power & Light Co.		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		27
Current Capacity:	1.2		15
Planned Capacity:			
Utilities in County:	Atlantic City Electric Company; Jersey Central Power & Light Co.; Rockland Electric Company; Suss		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	Potential	Current	
Methane Reduction (tons/yr):	4,931	2,698	
CO2 Equivalent of CH4 Reduction (tons/yr):	103,543	56,660	
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project	
	CO2 (tons/yr) SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)	
Coal:	21,311 135	14,848 135	
Fuel Oil:	17,491 113	12,186 71	
Natural Gas:	11,761 0	8,194 0	
E. CONTACT INFORMATION			
	Landfill Owner	Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:		203-678-7537	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



ILR LF		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	ILR	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Edison	Acres Currently Landfilled (acres):	100
County:	Middlesex	Average Depth (feet):	80
State:	NJ	Waste-in-Place (tons):	4,302,213
Year Open:	1963	1998 Waste-in-Place (tons):	4,302,213
Year Closed:	1985		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.27		
LFG Collection System Status:	Planned		
Current LFG Collected (mmscf/d):	3.0		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1998		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Public Service Electric & Gas Co.		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		40
Current Capacity:			
Planned Capacity:			63
Utilities in County:	Jersey Central Power & Light Co.; Public Service Electric & Gas Co.; South River Bd Public Wks		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	7,333		11,563
CO2 Equivalent of CH4 Reduction (tons/yr):	153,989		242,827
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	31,571	200	22,082 201
Fuel Oil:	25,912	167	18,124 106
Natural Gas:	17,424	0	12,187 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:			
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Kearny 1-D LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Town of Kearney	Annual Acceptance Rate (tons):	1,350,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1982
Alternative Landfill Name:	MSLA 1-D LF	Design Capacity (tons):	7,000,000
City:	Kearny	Acres Currently Landfilled (acres):	97
County:	Hudson	Average Depth (feet):	60
State:	NJ	1990 Waste-in-Place (tons):	11,997,600
Year Open:	1950	1998 Waste-in-Place (tons):	11,997,600
Year Closed:	1982		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.76		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	0.8		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	High Btu		
Utilization System Start Year:	1989		
Electric Utility Provider(s):			
Natural Gas Provider(s):	Public Service Electric and Gas Company		
Energy Purchaser(s):	Public Service Electric & Gas Co.		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	6		55
Current Capacity:			17
Planned Capacity:			
Utilities in County:	Atlantic City Electric Company; Public Service Electric & Gas Co.		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	10,179		3,084
CO2 Equivalent of CH4 Reduction (tons/yr):	213,753		64,754
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	43,410	274	30,652 279
Fuel Oil:	35,629	229	25,158 147
Natural Gas:	23,958	0	16,916 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Leo Vartan, Mayor		
Mailing Address:	402 Kearney Avenue		
Phone Number:	201-955-7400	201-460-4678	
Fax Number:			

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December 5, 1998

State: NJ

Page:

12



Kingsland LF		Landfill Category: Current	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Hackensack Meadowlands Development Com	Annual Acceptance Rate (tons):	1,300,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1985
Alternative Landfill Name:	Bergen County LF	Design Capacity (tons):	10,000,000
City:	North Arlington	Acres Currently Landfilled (acres):	137
County:	Bergen	Average Depth (feet):	70
State:	NJ	1993 Waste-in-Place (tons):	20,995,801
Year Open:	1965	1998 Waste-in-Place (tons):	20,995,801
Year Closed:	1988		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	5.09		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	5.3		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1998		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	PSE&G		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	16		159
Current Capacity:			
Planned Capacity:			110
Utilities in County:	Park Ridge Dept of Public Utilities; Public Service Electric & Gas Co.; Rockland Electric Company		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	29,415		20,428
CO2 Equivalent of CH4 Reduction (tons/yr):	617,721		428,994
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	125,495	793	88,580 806
Fuel Oil:	103,001	663	72,703 424
Natural Gas:	69,259	0	48,886 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Richard Wierer	Richard Weirer	
Mailing Address:	Foot of Mehrhof Road Box 122	PO Box 122	
Phone Number:	201-641-2552	201-807-5818	
Fax Number:	201-641-6407		

* *Italicized indicates values estimated by EPA.*



Kinsley LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Deptford	Acres Currently Landfilled (acres):	135
County:	Gloucester	Average Depth (feet):	100
State:	NJ	Waste-in-Place (tons):	7,259,985
Year Open:	1960	1998 Waste-in-Place (tons):	7,259,985
Year Closed:	1987		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.72		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	1.3		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1987		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Public Service Electric & Gas Co.		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	5		54
Current Capacity:	2.4		27
Planned Capacity:			
Utilities in County:	Atlantic City Electric Company; Jersey Central Power & Light Co.; Public Service Electric & Gas Co		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	9,972		5,011
CO2 Equivalent of CH4 Reduction (tons/yr):	209,404		105,225
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i> <i>SO2 (tons/yr)</i>
Coal:	42,621	269	30,028 273
Fuel Oil:	34,981	225	24,646 144
Natural Gas:	23,522	0	16,572 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:		609-227-5477	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



L & DLF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	East Hampton Power Production Plant	Design Capacity (tons):	
City:	Mount Holly	Acres Currently Landfilled (acres):	200
County:	Burlington	Average Depth (feet):	40
State:	NJ	1994 Waste-in-Place (tons):	3,290,000
Year Open:	1970	1998 Waste-in-Place (tons):	3,290,000
Year Closed:	1986		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	1.26		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):	1.7		
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Gas Turbine		
Utilization System Start Year:	1990		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Jersey Central Power & Light Co.		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		39
Current Capacity:	3.3		35
Planned Capacity:			
Utilities in County:	Atlantic City Electric Company; Jersey Central Power & Light Co.; Pemberton Electric Dept; Public S		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	7,282		6,553
CO2 Equivalent of CH4 Reduction (tons/yr):	152,920		137,603
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	30,782	195	21,928 200
Fuel Oil:	25,264	163	17,998 105
Natural Gas:	16,988	0	12,102 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:			
Mailing Address:			
Phone Number:			
Fax Number:			

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NJ

Page:

15



Monmouth County LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:		Annual Acceptance Rate (tons):	471,695
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:	Monmouth County Reclamation Center	Design Capacity (tons):	
City:	Tinton Falls	Acres Currently Landfilled (acres):	153
County:	Monmouth	Average Depth (feet):	100
State:	NJ	1994 Waste-in-Place (tons):	7,898,947
Year Open:	1976	1998 Waste-in-Place (tons):	10,696,842
Year Closed:	1998		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	3.15		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Gas Turbine		
Utilization System Start Year:	1997		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Jersey Central Power & Light Co.		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	10		99
Current Capacity:	10.0		
Planned Capacity:			
Utilities in County:	Jersey Central Power & Light Co.; Public Service Electric & Gas Co.		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	18,235		0
CO2 Equivalent of CH4 Reduction (tons/yr):	382,935		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	78,138	494	54,912 500
Fuel Oil:	64,132	413	45,070 263
Natural Gas:	43,124	0	30,305 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Robert Collins, County Administrator	John Gray, Superintendent	
Mailing Address:	Hall of Records PO Box 1255	6000 Asbury Avenue	
Phone Number:	908-431-7384	908-922-8686	
Fax Number:			

* *Italicized indicates values estimated by EPA.*



Ocean County LF		Landfill Category:	Current
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Ocean County Landfill Corp.	Annual Acceptance Rate (tons):	430,000
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	19,000,000
City:	Manchester	Acres Currently Landfilled (acres):	150
County:	Ocean	Average Depth (feet):	
State:	NJ	Waste-in-Place (tons):	
Year Open:	1972	1998 Waste-in-Place (tons):	13,292,996
Year Closed:	2016		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):	3.82		
LFG Collection System Status:	Operational		
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:	No		
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1997		
Electric Utility Provider(s):	GPU Energy		
Natural Gas Provider(s):			
Energy Purchaser(s):	Jersey Central Power and Light		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	12		119
Current Capacity:	4.8		
Planned Capacity:			
Utilities in County:	Atlantic City Electric Company; Jersey Central Power & Light Co.; Lavallette Electric Dept; Seaside		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	22,074		0
CO2 Equivalent of CH4 Reduction (tons/yr):	463,558		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	93,924	594	66,474 605
Fuel Oil:	77,088	496	54,558 318
Natural Gas:	51,835	0	36,686 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:		Charles J. Hesse III	
Mailing Address:	PO Box 207	PO Box 207	
Phone Number:	732-787-0226	732-787-0226	
Fax Number:			

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December 5, 1998

State: NJ

Page:

17



Sussex County LF 1-E		Landfill Category: Candidate	
A. GENERAL LANDFILL INFORMATION			
Landfill Owner:	Sussex County Municipal Utilities Authorit	Annual Acceptance Rate (tons):	84,044
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1993
Alternative Landfill Name:		Design Capacity (tons):	18,596,281
City:	Lafayette	Acres Currently Landfilled (acres):	10
County:	Sussex	Average Depth (feet):	
State:	NJ	Waste-in-Place (tons):	840,440
Year Open:	1987	1998 Waste-in-Place (tons):	1,008,528
Year Closed:	2002		
B. LANDFILL GAS COLLECTION			
Estimated Methane Generation (mmscf/d):		0.68	
LFG Collection System Status:			
Current LFG Collected (mmscf/d):			
Collection and Treatment System Required Under NSPS/EG:		No	
C. LANDFILL GAS UTILIZATION			
Current Utilization:			
Utilization System Status:	Unknown		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		21
Current Capacity:			
Planned Capacity:			
Utilities in County: Atlantic City Electric Company; Jersey Central Power & Light Co.; Rockland Electric Company; Suss			
D. ENVIRONMENTAL BENEFITS OF UTILIZATION			
	<i>Potential</i>		<i>Current</i>
Methane Reduction (tons/yr):	3,908		0
CO2 Equivalent of CH4 Reduction (tons/yr):	82,068		0
Emissions Avoided by Fossil Fuel Displacement:	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr) SO2 (tons/yr)
Coal:	16,575	105	11,769 107
Fuel Oil:	13,604	88	9,659 56
Natural Gas:	9,147	0	6,495 0
E. CONTACT INFORMATION			
Landfill Owner		Landfill Operator	
Contact Name:	Peter Goodman	Peter Goodman	
Mailing Address:		RD1 Box 900A	
		RT 94	
Phone Number:		201-579-6998	
Fax Number:			

* Italicized indicates values estimated by EPA.



Towanda Electric Facility		Landfill Category: Candidate
A. GENERAL LANDFILL INFORMATION		
Landfill Owner:	Browning Ferris Industries	Annual Acceptance Rate (tons):
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:
Alternative Landfill Name:		Design Capacity (tons):
City:		Acres Currently Landfilled (acres):
County:		Average Depth (feet):
State:	NJ	Waste-in-Place (tons):
Year Open:		<i>1998 Waste-in-Place (tons):</i>
Year Closed:		
B. LANDFILL GAS COLLECTION		
<i>Estimated Methane Generation (mmscf/d):</i>		
LFG Collection System Status:	Planned	
Current LFG Collected (mmscf/d):		
Collection and Treatment System Required Under NSPS/EG:	No	
C. LANDFILL GAS UTILIZATION		
Current Utilization:		
Utilization System Status:	Planned	
Utilization System Type:	Reciprocating Engine	
Utilization System Start Year:	2000	
Electric Utility Provider(s):		
Natural Gas Provider(s):		
Energy Purchaser(s):	City of Towanda Waste Water Treatment	
Capacity:	Electricity Generation Project (MW)	OR Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>		
Current Capacity:		
Planned Capacity:	2.8	
Utilities in County:		
D. ENVIRONMENTAL BENEFITS OF UTILIZATION		
	<i>Potential</i>	Current
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		
E. CONTACT INFORMATION		
Landfill Owner		Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		

* *Italicized indicates values estimated by EPA.*

December 5, 1998

State: NJ

Page:

19

